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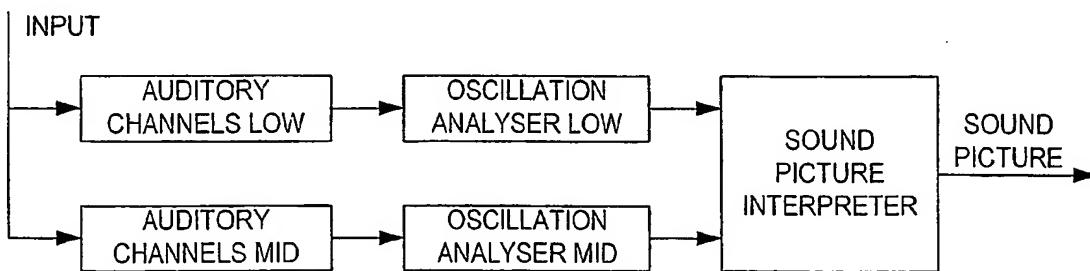
(71) Applicant and
(72) Inventor: LEONHARD, Frank, Uldall [DK/DK]; Louisvej 13, DK-2800 Lyngby (DK).

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(74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).

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(54) Title: METHOD FOR ANALYSING SIGNALS CONTAINING PULSES



(57) Abstract: The invention provides a method for analysing an input signal having an input frequency bandwidth. The method comprises providing at least one frequency-bandwidth limited portion of the input signal. For each frequency-bandwidth limited portion of the input signal the durations of half-periods and signal excursions during respective half-periods are determined. Based on the signal excursions and corresponding half-periods a quality of the input signal is determined. The determined signal quality can be a vowel in a 10 speech signal or a quality related to a condition of an industrial product. The method provides speaker independent vowel recognition, and even whistled vowels can be recognised.

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